

Poplar Bluff R-1 School District Technology Plan 2006-2009
Approved by the Poplar Bluff Board of Education
November 17, 2005

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**Poplar Bluff School District
2006-2009
Technology Plan**

INTRODUCTION:

The Poplar Bluff R-1 School district is located in southeast Missouri. Currently, the district consists of four elementary schools, a 5 & 6 center, junior high and high school; for a total 4,479 students. The school district is located in Poplar Bluff, Missouri; a growing mid-sized college town with an estimated population of 16,651. The Poplar Bluff School District last participated in March 2001 Missouri School Improvement Program (MSIP) and was accredited. The Poplar Bluff School District reviews annually each November the local Comprehensive School Improvement Plan (CSIP). Note: the latest copy of the Poplar Bluff School District CSIP is included in this document on page 4.

Technology Plan Format

This plan: 1) evaluates the 2003-2005 goals in relationship to the five Technology Focus Areas, 2) analyzes the progress of the prior technology plan, and 3) defines Goals and Objectives to address the TFAs weaknesses while maintaining the strengths of the previous plan. The plan is set in a table format aligned with DESE's Technology Plan Scoring Guide. Each TFA contains appropriate data analysis information, goals, objectives, and action plans.

TECHNOLOGY PLANNING COMMITTEE:

The mission of the Technology Committee is to support the Poplar Bluff R-1 School District's vision for continuous and sustained improvement in student achievement as defined in our Comprehensive School Improvement Plan. Specifically, the committee is responsible for the development, implementation, and evaluation of the district's Technology Plan. The Technology Plan provides a three year roadmap that guides all aspects of the implementation of technology into the curriculum and the use of technology as a tool for student learning. The goals of the Technology Plan are directly linked to and supportive of the school improvement objectives. All aspects of the district's technology program are focused on student learning and directly impact student achievement.

Membership on the district's Technology Committee is representative of students, teachers, administrators, board of education, technical support staff, parents, and community and business leaders. In addition, representation is equitable, and appropriate to adequately address the five Technology Focus Areas. All members of the committee serve based upon their commitment to student achievement, their ability to provide visionary leadership for the district's technology program, and their ability to represent our school and community.

The committee is facilitated by the Director of Media Services, who has responsibilities for the oversight of the district's technology program and budgeting. Key committee roles include the Assistant Superintendent for Curriculum, who provides leadership to the committee regarding academic and curricular needs, and the Network Manager, who provides leadership to the committee regarding technological capabilities and needs. Members of the staff have provided input with regard to their perspective on their needs and the needs of their students. Student and parent participation has helped to ensure that our efforts remain focused on improving the achievement of students. By providing insight regarding their expectations for our graduates, business and community leaders have also provided invaluable assistance toward achieving the mission of the district.

The Technology Committee meets two times per year, with additional subcommittee meetings scheduled as needed. All meetings are conducted in the conference room in the Poplar Bluff R-1 Administration Building at a time that is convenient to the majority of the committee. The focus of the committee's spring meeting is an annual review of district policies and procedures related to technology and a review of district needs and planned activities for the following year. As soon as the district receives and analyzes student assessment results in the fall, the committee meets to conduct an annual evaluation of the district's technology program as outlined in the Technology Plan. As a result of this evaluation, which will result in a written evaluation report provided for the Poplar Bluff R-1 Board of Education and the patrons of the district, the committee will formulate revisions of planned district activities as needed.

**Poplar Bluff R-1 School District Technology Committee
2005-2006 Membership**

MEMBER	POSITION	REPRESENTING	TFA LINK
Alex Riffle	Student	Poplar Bluff Junior High School	1
Kera Persons	Student	Poplar Bluff Junior School	1
Justin Hager	Student	Poplar Bluff High School / Poplar Bluff Technical Career Center	1
Kristen Ploetze	Student	Poplar Bluff High School	1
Pam Lowe	Teacher, 4 th grade	O'Neal Elementary School Staff	1,2
Jan Desgranges	Teacher, 6 th grade	Middle School Staff	1,2
Bill Clanahan	Teacher, Math	Poplar Bluff Junior High School	1,2
Gail Karlish	Teacher, Science	Poplar Bluff High School, Member of the District Professional Development Committee	1,2
Joy Burke	Teacher 3 rd grade	Oak Grove Elementary School Staff	1,2
Jerry Hosmer	Teacher, Science	Poplar Bluff High School	1,2
Kim Gerringer	Computer Lab Instructor	Poplar Bluff Elementary Staff	1,2
Darlene Davis	Business Education Teacher	Poplar Bluff High School Staff	1,2
Chris Murdock	Teacher, Computer Systems Maintenance	Poplar Bluff Technical Career Center Staff	1,2
Cindy Tanner	Teacher, Special Education	Special Education Staff PBHS	1,2
Kim Miller	Media Center Specialist	Poplar Bluff Middle School Media Center Staff	1,2
Bobbie Tinsley	Board of Education Member	School District and Community	1,2,3,4
Sarah Long	Assistant Superintendent /Curriculum	School District, State and Federal Programs Curriculum Council, CSIP Committee	3,4,5
Scot Young	Principal	Poplar Bluff High School	1,2,3
Angie Jackson	Assistant Principal	Poplar Bluff Middle School	1,2,3
Jan Arnold	Principal	Eugene Field Elementary School	1,2,3
Jean Winston	Director	Poplar Bluff Technical Career Center	1,2,3
Robin Hillis	Parent	High School Students and Community	1,4
Cyndi Godwin	Parent	Middle School Students, Community	1,4
James Ramsey	Business Leader/ Parent	Computer Technology Business and Community/ Parent	1,4,5
Steve Bubonavich	Parent	Elementary Students and Community	1,4
Ken Parrett	Community Leader	Community and Chamber of Commerce	1,4,5
Frank Wilkenson	Business Leader	Computer Software Business and Community	1,4,5
Brian Asberry	Business Leader	Communications Technology Industry and Community	1,4,5
Brad Barnett	Business Leader	Computer Technology Business and Community	1,4,5
Jason Shelton	Business Leader	Computer Technology Business and Community	1,4,5
Bob Hall	Technical Support	District Network Manager	3,4,5
Daniel Eubank	Technical Support	District Maintenance Staff	5
Greg Hicks	Technical Support	CIS Instructor / Three Rivers Community College	2

DISTRICT MISSION STATEMENT: The mission of the Poplar Bluff R-I School District, in partnership with parents and community, is to educate all students to their potential, and to inspire them to be lifelong learners, who possess the skills and knowledge necessary to be productive members in our changing

DISTRICT TECHNOLOGY MISSION STATEMENT: The **Technology Mission** of the Poplar Bluff School District is to incorporate technology into the educational environment; to encourage problem solving, exploration, and learning in the classroom; promote student-centered learning; provide access to appropriate technology for all students and staff, increase student achievement; encourage communication; develop lifelong learners, improve faculty and staff productivity, and provide the opportunity for faculty and staff to model appropriate technology usage.

Poplar Bluff Comprehensive School Improvement Plan

- 1. Improve Student Achievement**
 - a) The district students achieve a high level of performance or demonstrate improvement in performance on DESE approved standardized achievement tests and/or district selected standardized tests.
 - b) The percent of students tested on the MAP in each subject/grade is maintained at a high level.
 - c) The MAP Performance Index increases by a minimum of 2 points in each subject at each grade level each year.
 - d) The minority population demonstrates improvement in achievement greater than or equal to the non-minority population at that grade level.
- 2. Improve Reading Achievement**
 - a) The reading ability of district students is at an acceptable level or demonstrates improvement.
 - b) Reading skills of all third grade students are at an acceptable level or appropriate instruction is implemented for each child that is not achieving at an acceptable level.
 - c) Reading skills of all seventh grade students are at an acceptable level or appropriate instruction is implemented for each child that is not achieving at an acceptable level.
- 3. Improve Post Secondary Education or Employment Preparation**
 - a) The percent of students who attend post-secondary education at a community college, a four-year college/university, or technical/vocational school within six months of graduating is at a high level or is increasing.
 - b) The percent of graduates scoring at or above the national average on the American College Testing (ACT) Program or (SAT) increases by 3% over five years.
 - c) The percent of graduates that earn a college preparatory studies certificate earn college credit or take advanced courses while in high school increases by 1.5% over five years.
 - d) The percent of graduates who complete vocational education programs increases by 3% over five years.
 - e) The percent of graduates who complete vocational education programs approved by Department of Elementary and Secondary Education and are placed in occupations relating to their training, continue their education or are in the military services increases by 3% over five years.
- 4. Improve the Percent of High School Graduates**
 - a) The percent of dropouts decreases by 1.5% over five years.
 - b) The percent of district's dropouts who complete a high school diploma or equivalency certificate within five years of when they dropped out increases by 1.5% over five years.
 - c) The percent of district's students who are in regular daily attendance increases by 1% a year or is maintained above the 95% level.

Approved by the Poplar Bluff Schools Board of Education November 15, 2004

COMPILING RAW DATA:

The following Standardized Assessments, Local Performance Assessments, Surveys and Records were used to examine the current status, strengths, and weaknesses of the five Technology Focus Areas.

Data Analyzed	Data Source	Data Origination	Reviewed By
Missouri Assessment Program (MAP) Scores/Summary	Standardized assessment	State	TFA 1
SAT 9 Test Scores/Summary	Standardized assessment	National	TFA1
ACT Test Scores/Summary	Standardized assessment	National	TFA 1
PLAN Test Scores/Summary	Standardized assessment	National	TFA 1
<ul style="list-style-type: none"> Curriculum Guides Technology Benchmarks/Competencies 	Student and Teacher Standards	District	TFA 1; 2
Missouri School Improvement Program (MSIP) <ul style="list-style-type: none"> Advance Questionnaire District Response to the Standards Technology Integration 	Survey	District	TFA 1; 2
Census of Technology <ul style="list-style-type: none"> 2003, 2004, 2005 	Survey	District/State	TFA 1; 4; 5
Technology Usage Surveys (2002-2005) <ul style="list-style-type: none"> Teacher Classified Student 	Survey	District	TFA 1; 2; 3
Professional Development Surveys <ul style="list-style-type: none"> Teachers Classified Staff 	Survey	District	TFA 2
Library Media Center's Reports/Surveys <ul style="list-style-type: none"> Monthly Reports Core Data Reports Collection Development Plan Faculty and Student Surveys 	Survey Evaluation forms Annual Reports	District State	TFA 1; 4; 5
<ul style="list-style-type: none"> Comprehensive School Improvement Plan (CSIP) 2003-2005 Technology Plan Annual Media Center Staff Evaluation 	Local Assessments	District	TFA 1; 2; 3; 4; 5
Administrative Networking Tools <ul style="list-style-type: none"> Sonicwall Filtering Software/Reports Cymphonix traffic reports 	Administrative Networking Tools	District	TFA 3; 4; 5
Network Evaluation Tools <ul style="list-style-type: none"> MoreNet Internet Bandwidth Usage via Report Netflow Reports Internet Traffic by Protocol via 3COM Network Management software 	Administrative Networking Tools	State	TFA 3; 4; 5
District Communication Tools <ul style="list-style-type: none"> Phone Systems consist of Big River plexar connections Novell GroupWise email 	Communication Tools	District	TFA 3; 4; 5

Data Analyzed	Data Source	Data Origination	Reviewed By
Data Management Tools <ul style="list-style-type: none"> • Lemberger Financial Program • Student Information Systems (SIS) for student attendance data • SIS Medical and SIS Grade book • Follett Library Automation Software/Reports • District Asset Inventory –Access based program and database 	Data Management Tools	District State	TFA 1; 3; 4; 5
BOE Policies required to comply w/ CIPA guidelines: <ul style="list-style-type: none"> • Internet Content Filtering • Employee Technology/Internet Agreement (AUP) • Student Technology/Internet Agreement (AUP) • R-I Web Page Guidelines • Copyright Policy 	Policies and Procedures	District	TFA 1; 3; 4; 5

Current Status

Technology Budget

	Equipment	supplies	repairs	Salary and benefits	contract services	Training	Travel	total
2003	149,000	70,000	16,000	219,856	34,600	15,000	3,000	507,456
2004	150,900	65,000	16,000	231,627	35,000	20,000	2,000	520,527
2005	155,000	65,000	18,000	261,035	38,000	24,000	2,000	563,035

TFA 1: Student Learning

Achievement Data: Since 2002 the district's ACT scores have remained consistently within the average range of composite 21. The percentage of students scoring at the Advanced and Proficient levels on the MAP test at the elementary schools has increased in all areas. The graduation rate has increased from 74% in 2002 to 85.6% in 2005.

Technology Integration: Technology is integrated in the curriculum as indicated by the MSIP response during the MSIP review in March of 2001. Currently all seventh grade students are required to take a keyboarding class ensuring that all eighth grade students are technologically proficient meeting Title IID Program Goals. The NetSmartz Curriculum is currently being implemented within the district to assure that technology is integrated within the curriculum for all district students at all grade levels. The process of integration within all curricula areas is an ongoing process and is reviewed annually.

TFA 2: Teacher Preparation

Summer Technology Academy developed in 2003; this professional development program offers a stipend to complete six computer courses/workshops. Other courses were offered that integrated technology into the teaching environment. The program continues with yearly additions to the course offerings.

Building level Professional Development Workshops: Workshops are provided during regularly scheduled professional development days. These workshops focus on grade appropriate uses of technology within the classroom and how to develop lesson plans requiring students to use technology as a productivity tool.

TFA 3: Administration, Management and Communications

Administrative Software Applications:

- 100% of all district employees have GroupWise email accounts and managing their calendar
- SIS is used to manage student information and records
- Lemberger software is used to manage all district financial records
- Dreamweaver and Frontpage are used to design and develop teacher's web sites.

TFA 4: Resources

Census of Technology:

District Ratio of Students to Internet Connected Computers				
Year	2002	2003	2004	2005
# of Internet Connected Computers	381	853	893	984
# of Students	4616	4815	4576	4479
Ratio of Student/Computer	12/1	5.6/1	5.1/1	4.6/1

TFA 5: Technical Support

In September 2004, an additional full time computer technician was hired to reduce the wait time for computer repairs and installation. This has increased the efficiency of the technology staff.

During the summer of 2005, Zenworks Desktop Management software was deployed to all district owned computers. This allows for technicians to conduct repairs remotely and also restricts access to certain files. This has improved the uptime of the district's network and allows for the Tech Support staff to work more efficiently.

Total Cost of Ownership

The Poplar Bluff R I School District fully understands the total cost of ownership that is associated with technology. Our responsibility to plan, fund and implement technology does not end with infrastructure, hardware and software. The following considerations are addressed in all technology planning:

- The daily cost of supplies to keep educational technology running
- The cost of maintenance and repair
- The replacement cost of our infrastructure
- The timely replacement of outdated equipment
- The timely replacement of outdated software
- The ongoing cost to train all staff members in the basic technology skills
- The ongoing cost to allow all staff members to grow professionally with and through technology

GOALS and Status of Previous Technology Plan:

2003-2005 Technology Goals	Goal/Strategy Met, Progressing, Not Progressing, Corrective Steps	TFA
Goal 1: Improve student achievement (CSIP Goal 1; MSIP 6.4)	High School -Progressing Middle School - Progressing Elementary - progressing	Student Learning
Strategy 1A: A new computer networked lab will be installed in each elementary school. (MSIP Standard 6.3.3)	Additional EMINTS classrooms have been added to Eugene Field Elementary.	Student Learning
Strategy 1B: Upgrade and replace additional technology in each classroom for student and teacher use.	High capacity Laser Printers have been installed in each elementary computer lab Each campus has one digital camcorder, one Digital camera and one Smartboard and projector for each site	Student Learning
Goal 2: To enhance and strengthen student's problem solving and critical thinking skills by integrating technology into the classroom instructional programs.	High School -Progressing Middle School - Progressing Elementary - progressing	Student Learning
Strategy 2A: Obtain technology that will compliment, enhance and /or enrich curriculum in grades PreK-4.	4 Large Monitors/Computer Carts one for each elementary campus Smartboard and multimedia projectors for each elementary lab 2 computers yearly for ECSpEd	Student Learning
Goal 3: To allow all students and teachers access to computers for research and additional work on core area objectives	High School -Progressing Middle School - Progressing Elementary - progressing	Student Learning
Strategy 3A Existing hardware will be maintained and replaced as needed.	Replaced 200 older pc's yearly	Student Learning
Strategy 3B: Additional hardware will be purchased.	Purchased 24 computers and 8 printers for jh Classrooms	Student Learning
Strategy 3C: Provide additional technology hardware for classroom use	Purchased Smartboard with projector for each ms/jh lab Purchased digital cameras for ea ms/jh lab	Student Learning
Goal 4: To enhance and strengthen student's problem solving and critical thinking skills through integration of curriculum and technology.	High School -Progressing Middle School - Progressing Elementary - progressing	Student Learning
Strategy 4A: Obtain software that will complement, reinforce and /or enrich curriculum in grades 5 through 8.	Purchased Read 180 Maintained ALS at Elementary sites	Student Learning

2003-2005 Technology Goals	Goal/Strategy Met, Progressing, Not Progressing, Corrective Steps	TFA
Goal 5: To provide classroom instructional materials to allow teachers to present subject material through innovative and exciting formats.	progressing	Student Learning
Strategy 5B: Obtain lap top computers to be checked out by students to use in homebound instruction setting	Purchased laptops for each campus and the special education teachers for use by students at home.	Student Learning
Goal 6: To allow all students access to computers for research, additional work on core area objectives, and vocational competencies.	met	Student Learning
Strategy 6A: Develop classroom computer labs for each vocational program	<ul style="list-style-type: none"> • Purchased electronics software and air conditioning software • Purchased automotive training curriculum software • Developed network administration curriculum 	Student Learning
Goal 7: To provide access to information through a sequential program of library instruction.	met	Student Learning
Strategy 7A: Updating and Maintaining the Library automation system	<ul style="list-style-type: none"> • All LMC use Follet software 	Student Learning
Strategy 7B: Updating and maintaining the elementary Accelerated Reader program	<ul style="list-style-type: none"> • Staff is trained to use and update AR 	Student Learning
Goal 1: Provide specific professional development training for elementary staff on how to successfully incorporate technology into the curriculum and instructional practices.	Progressing	Teacher Preparation and Delivery of Instruction
Strategy 1A: The district provided professional development for all staff in the following areas	<ul style="list-style-type: none"> • Training for usage of Computer Lab Smart Board • Training for usage of SuccessLink Web Site • Training for usage of other instructional sites • Web Page Training for teachers • Training for digital cameras and scanners • Training for data bases • Training for spreadsheets • Training for presentation software 	Teacher Preparation and Delivery of Instruction

2003-2005 Technology Goals	Goal/Strategy Met, Progressing, Not Progressing, Corrective Steps	TFA
Strategy 1B: Attend local, regional, and statewide technology conferences	<ul style="list-style-type: none"> one teacher/administrator from each building attended the MoreNet Fall Technology Conference One teacher/administrator from ea building attended the MoreNet Spring Technology Conference 	Teacher Preparation and Delivery of Instruction
Strategy 1C: Provide training for middle school teachers to integrate technology into their curriculums	<ul style="list-style-type: none"> Provided web page development training for all staff members Provided Office 2000 for all staff members Provided training for downloading shareware from the Internet 	Teacher Preparation and Delivery of Instruction
Goal 2: To provide resources and consultation assistance to teachers to supplement curricular classroom activities.	High School -Progressing Middle School - Progressing Elementary - progressing	Teacher Preparation and Delivery of Instruction
Strategy 2 A. Add computer programs, CDs, laser disks, and videos in math, science, reading/language arts and social studies to enhance and supplement the curriculum.	purchase needed equipment Provide in-service to staff on operation of new equipment Maintain, replace and service equipment.	Teacher Preparation and Delivery of Instruction
Goal 3: To provide TCC staff with professional development activities with the knowledge and skills to use new technology in their classrooms	progressing	Teacher Preparation and Delivery of Instruction
Strategy 3A: Provide professional development of staff to integrate computers and technology into the classroom.	Provided teacher technology training in Word processing, spreadsheets, Presentation software, Student Information Management software, operating systems, Internet searching, and web page development.	Teacher Preparation and Delivery of Instruction
Goal 1: To establish a television channel and provide instruction and information opportunities to students and members of the community.	Met	Administration
Strategy 1A: Develop a District wide cable access television station/channel to broadcast within the school as well as the community	Provided over 500 Public Service Announcements yearly	Administration
Goal 1. Maintain a district computer network that meets the needs of our students, teachers, staff, and administrators.	Progressing	Resource

2003-2005 Technology Goals	Goal/Strategy Met, Progressing, Not Progressing, Corrective Steps	TFA
Strategy 1A: Upgrade/replace current servers as necessary.	There is a replacement schedule for all district owned servers. This schedule has replaced 9 servers in the previous 3 years	Resource
Strategy 1B: Complete conversion of network to 100Base-T.	All netcards and switches provide 100 Base T capabilities	Resource
Goal 2. Maintain a secure network with users adhering to district and MOREnet acceptable use policies.	met	Resource
Strategy 2A: Protect campus network by maintaining district Internet firewall.	Sonic wall device is used to provide firewall capabilities to network	Resource
Goal 3. Maintain telephone system to meet communications needs for staff, students, and parents.	Not met	Resource
Strategy 3: Maintain system, replacing equipment as necessary.	The JH phone system is in need of update. /replacement. Funding has not been available to accomplish this need.	Resource
Goal: 4 to improve the quality of information sent out to the community and patrons of the school district.	progressing	Resource
Goal 5: To continue Internet access to all teaching stations	met	Resource
Strategy 5 A. Necessary cabling needs will be identified and cables run to areas not presently Internet ready.	All classrooms have internet access	Resource
Goal 1: Provide support for district technology.	progressing	Technical Support
Strategy 1A: Use the new Computer Repair class at the Career Tech to do simple repairs and installations.	PC repair class updated or repaired over 200 district owned computers in the past two years	Technical Support
Strategy 1B: Hire additional technicians Additional technical personnel will work under the direction of the district technology coordinator.	Hired an additional technician in September 2004.	Technical Support
Strategy 1C: Provide a budget to purchase miscellaneous items, test equipment, and software as needed to maintain current systems.	Current budget adequately provides for needed repair items.	Technical Support

2003-2005 Technology Goals	Goal/Strategy Met, Progressing, Not Progressing, Corrective Steps	TFA
Strategy 1D: The members of the technology staff will attend classes as necessary to keep their skills current. Technology staff training will continue as the district budget permits.	Technicians have attended training for SIS updates Zenworks GroupWise SQL implementation	Technical Support
Goal 2: A district-wide inventory of technology will be maintained	met	Technical Support
Strategy 2A: Technology inventory is kept in a database	The district inventory is maintained on an Access format the was designed and implemented locally	Technical Support
Goal 3: To maintain, replace, and upgrade current technology.	continuing	Technical Support
Strategy 3A: Maintenance of all equipment will occur as needed.	Recent Census of Technology data shows that buildings report most all repairs are completed in one to two days	Technical Support
Goal 4: To plan for the upkeep and repair, replacement, and upgrade of existing technology	Met	Technical Support
Strategy 4 A. A plan will be developed to evaluate and update all existing equipment as needed. A replacement of 20% of all computers and printers is scheduled.	180 or more computers were replaced yearly Purchased and installed 150 laser or ink jet printers.	Technical Support

DATA ANALYSIS

Evaluation Summary Strengths and Weaknesses of 2002-2005 Technology Goals:

During the past three years the Poplar Bluff R-I School District has implemented technology within the student's learning environment...

Progress and strengths of the 2002-2005 Technology Goals:

- TFA: Administration and Resources: forty percent (40%) of all district computers have been replaced with computers with Windows XP, Microsoft Office suite.
- TFA: Student Learning and Resources: All district LMC's computer labs were upgraded
- TFA: Student Learning and Resources: At the Career Center and High school vocational grants upgraded the business lab, Marketing Lab, greenhouse, and PC Repair course computers and added a color printer to the business department.
- TFA: Teacher Preparation and Resources: At all buildings teacher access printers were upgraded to laser printers
- TFA: Teacher Preparation and Resources: At the High School networked digital printer/ copier was installed.
- TFA: Student Learning: The High School Library purchased TV's, VCR's, and DVD players for classroom use
- TFA: Student Learning: The High School purchased six (6) multi-media projectors and Smartboards.
- TFA: Student Learning and Resources: At the High School LMC twelve computers were added to the main library floor
- TFA: Teacher Preparation, Administration, and Resources: District wide SIS Grade book, Health Services,
- TFA: Teacher Preparation, Administration, and Resources: A technology professional development program was developed to train district personnel on the newly acquired equipment and software. Courses taught included the following: Presentations for the 5-12 Student, Presentations for the Elementary Students, Excel , Windows I and II, Word processing and Internet Competencies
- TFA: Administration: The District Web Site: <http://www.r1schools.org> was redesigned and developed to include the following district information: Contact information for all buildings, administration, and board members; Board Policies and Regulations; Student Resource Research web pages; Individual building pages with faculty information
- TFA: Administration: Student Information Systems was implemented district wide
- TFA: Technical Support: One full time support person was added to the Media Center Staff
- TFA: Technical Support: Computer Lab Instructors are troubleshooting basic computer problems for the technology staff at 6 of the 9 district campuses
- TFA: Resources: Upgrades were made to lines, servers, Internet access
- TFA: Resources: Phone system at the High School was upgraded

Upon evaluating the 2002-2005 Technology Goals the following was determined to be weaknesses:

- TFA: Student Learning: A technology curriculum was not totally implemented
- TFA: Student Learning and Resources: Little technology is available for students to check out, including laptops
- TFA: Technical Support: Lack of personnel to maintain district computers and phone systems
- TFA: Student Learning and Teacher Preparation: Lack of Instructional Technology Staff

Student Learning TFA—Data Analysis, Objectives and Action Plans

Data Analysis:

Compiling Raw Data (pages 5-6) lists a comprehensive inventory of data analyzed. Committee members examined appropriate data pertaining to the Student Learning TFA to identify strengths and weaknesses of our current learning environment. This provided the direction for developing action plans and steps for the 2006-2009 Technology Plan.

The prior technology plan was reviewed to identify strengths and weaknesses as well as progress in meeting prior objectives.

The committee found that Technology use is present in the curriculum, but it is lacking in focus and in support. For example of a more useful model for technology in the classrooms has been the eMints program. This program allows schools to draw upon the willingness of students to use technology when given the opportunity and encouragement.

Objectives:

- **Objective 1: Student achievement will be increased each year as measured by an increase in the number of students in the top three levels of the MAP assessment and/or a decrease in the number of students in the bottom two levels of the MAP.**
- **Objective 2: Provide every student with relevant technological opportunities.**
- **Objective 3: Integrate technology competence into district curriculums.**

Action Plans:

Action Plans and Implementation – TFA 1 – Student Learning					
Goal 1: The Poplar Bluff R-1 School District will improve student achievement through integration and implementation of technology into all areas of the curriculum					
Objective 1: Student achievement will be increased each year as measured by an increase in the number of students in the top three levels of the MAP assessment and/or a decrease in the number of students in the bottom two levels of the MAP assessment.					
MSIP Standard	CSIP Objective	Action Step/Activity	Person Responsible	Funding Sources/	Timeline/
5.1, 6.1, 7.1, 7.3	1 and 2	Students will use a variety of technology strategies to solve real-world problems by applying processes and curriculum objectives to lessons.	Asst. Superintendents, Media Center Director, Principals, Teachers, Library Media Specialists	No additional cost to District Technology Budget, Existing duties of staff	Ongoing/Yearly
5.1, 6.1, 7.1, 7.3	1 and 2	Students will effectively use a variety of media tools to publish and communicate ideas and information in addressing various learner needs.	Media Center Director, Principals, Teachers, Library Media Specialists	No additional cost to District Technology Budget, Existing duties of staff	Ongoing/Yearly
5.1, 6.1, 7.1, 7.3	1 and 2	Students will have more opportunity to use technology to develop learning and process skills.	Media Center Director, Principals, Teachers, Library Media Specialists	No additional cost to District Technology Budget, Existing duties of staff	Ongoing/Yearly
6.1, 6.3, 7.1, 7.2	1 and 2	Develop an information technology curriculum that addresses student competencies at grade levels K-12.	Asst. Superintendents, Curriculum Committee, Media Center Director, Principals, Teachers, Library Media Specialists	District Budget, Grants \$2,000 yearly	Ongoing/Yearly
Missouri Show Me Standards: 1.4, 2.7					

Action Plans and Implementation – TFA 1 – Student Learning					
Goal 1: The Poplar Bluff R-1 School District will improve student achievement through integration and implementation of technology into all areas of the curriculum					
Objective 2: Provide every student with relevant technological opportunities.					
MSIP Standard	CSIP Objective	Action Step/Activity	Person Responsible	Funding Sources/ Cost Estimate	Timeline/
6.1, 6.3, 6.8, 7.2	1 and 2	Implement Elementary keyboarding program in grades three through six.	Asst. Superintendents, Media Center Director, Principals, Teachers	No additional cost to District Technology Budget, Existing duties of staff	Ongoing/Yearly
6.1, 6.3, 6.8, 7.1, 7.2	1 and 2	Adjust curriculum basics of technology usage that is taught in grade two.	Asst. Superintendents, Media Center Director, Curriculum Committee, Principals, Teachers,	No additional cost to District Technology Budget, Existing duties of staff	Ongoing/Yearly
6.1, 6.3, 7.1, 7.2, 7.3, 9.4	1 and 2	Develop a K-12 student technology skill assessment to determine student progress.	Asst. Superintendents, Media Center Director, Curriculum Committee, Principals, Teachers,	No additional cost to District Technology Budget, Existing duties of staff	Ongoing/Yearly
6.3, 6.4, 6.8	1 and 2	Add classroom technology: whiteboards, mobile and fixed labs, mini-classroom labs, etc.	Asst. Superintendents, Media Center Director, Principals, Teachers,	District Budget, Grants, Title IID \$25,000 yearly	Ongoing/Yearly
6.3, 6.4, 6.8, 7.2	1 and 2	Expand the eMINTS program to all buildings.	Asst. Superintendents, Media Center Director, Principals, Teachers,	State Grant, District Budget, Other Grants \$20,000 yearly	Ongoing/Yearly
7.7, 8.3	1 and 2	Maintain a 100% return rate of Acceptable Use Policies signed by parents and students.	Asst. Superintendents, Media Center Director, Teachers	No additional cost to District Technology Budget, Existing duties of staff	Ongoing/Yearly
6.5, 6.8, 9.4	1 and 2	Focus instruction on ethical behaviors and critical analysis of information gained through technology.	Principals, Teachers, Library Media Specialists	No additional cost to District Technology Budget, Existing duties of staff	Ongoing/Yearly
Missouri Show Me Standards: 1.7, 4.4					

Action Plans and Implementation – TFA 1 – Student Learning					
Goal 1: The Poplar Bluff R-1 School District will improve student achievement through integration and implementation of technology into all areas of the curriculum					
Objective 3: Integrate technology competence into district curricula.					
MSIP Standard/	CSIP Objective	Action Step/Activity	Person Responsible	Funding Sources/	Timeline/
6.1, 6.3	1 and 2	Identify technological competencies for every student at each grade level.	Asst. Superintendents, Media Center Director, Principals, Teachers, Library Media Specialists	No additional cost to District Technology Budget, Existing duties of staff	Ongoing/Yearly
6.1, 6.3	1 and 2	Evaluate K-12 student progress using district-wide technology assessment.	Asst. Superintendents, Media Center Director, Principals, Teachers, Library Media Specialists	No additional cost to District Technology Budget, Existing duties of staff	Ongoing/Yearly
6.1, 6.3, 6.8	1 and 2	Align technological competencies to all district curricula during the scheduled curriculum review process.	Asst. Superintendents, Media Center Director, Curriculum Committee Principals, Teachers, Library Media Specialists	No additional cost to District Technology Budget, Existing duties of staff	Ongoing/Yearly
Missouri Show Me Standards: 1.4, 2.7					

Teacher Preparation TFA—Data Analysis, Objectives and Action Plans

Data Analysis:

Compiling Raw Data (pages 5-6) lists a comprehensive inventory of data analyzed. Committee members examined appropriate data pertaining to the Teacher Preparation TFA to identify strengths and weaknesses of our delivery of instruction. This provided the direction for developing action plans and steps for the 2006-2009 Technology Plan.

The prior technology plan was reviewed to identify strengths and weaknesses as well as progress in meeting prior objectives.

Getting technology into the hands of teachers is a pressing need for getting them comfortable and familiar with its use as it applies to their classrooms. Teachers should be able to truly integrate technology in their curriculum instead of including it as an afterthought. Greater support and standardization of technology and increased professional development opportunities has also recognized as necessary to further this comfort and familiarity with technology.

- **Objective 1: Professional development activities will be developed to integrate technology into the curriculum.**
- **Objective 2: Professional development training opportunities will be increased yearly utilizing internal and external resources.**

Action Plans:

Action Plans and Implementation – TFA 2 – Teacher Preparation and Delivery of Instruction					
Goal 2: The Poplar Bluff R-1 School District will provide ongoing professional development to assist teachers in delivering effective, technology supported instruction to improve student learning.					
Objective 1: Professional development activities will be developed to integrate technology into the curriculum.					
MSIP Standard /	CSIP Objective	Action Step/Activity	Person Responsible	Funding Sources	Timeline/
6.1, 6.3, 6.4, 6.7	1 and 2	Coordinate training based on needs with consistent content and instructional delivery.	Asst. Superintendents, Principals, Media Center Director, District/ Building PDC	No additional cost to District Technology Budget, Existing duties of staff	Ongoing/Yearly
6.1, 6.3, 6.4	1 and 2	Provide teachers resources to enhance instruction: graphic resources, lesson plans, assessments, copyright information, and related site links.	District/Building PDC	District Budget, Title IID, Title VI \$10,000 yearly	Ongoing/Yearly
6.1, 6.3, 6.4, 6.7	1 and 2	Encourage teachers to use online training opportunities to meet No Child Left Behind requirements	District/Building PDC	District Budget, Title IID \$2,000 yearly	Ongoing/Yearly
6.1, 6.3, 6.4, 6.7	1 and 2	Teachers will increase integration of technology into their instructional strategies.	District/Building PDC	District Budget, Title IID, Title VI \$10,000 yearly	Ongoing/Yearly

Action Plans and Implementation – TFA 2 – Teacher Preparation and Delivery of Instruction					
<p>Goal 2: The Poplar Bluff R-1 School District will provide ongoing professional development to assist teachers in delivering effective, technology supported instruction to improve student learning.</p> <p>Objective 2: Professional development training opportunities will be increased yearly utilizing internal and external resources.</p>					
MSIP Standard	CSIP Objective	Action Step/Activity	Person Responsible	Funding Sources/	Timeline/
6.1, 6.3, 6.4, 6.7	1 and 2	Teachers will attend professional conferences when available and appropriate to their technology instructional needs.	Principals, District/ Building PDC	PDC Budget, Federal Grant \$15,000 yearly	Ongoing/Yearly
6.1, 6.3, 6.4, 6.7	1 and 2	Additional building staff trained by Media Center Staff and/or other trainers to provide instruction and support within each building.	Asst. Superintendents, District/Building PDC	PDC Budget \$10,000 yearly	Ongoing/Yearly
6.3, 6.4, 6.7	1 and 2	PDC technology activities will be determined by the using needs-based survey results.	District/Building PDC	No additional cost to District Technology Budget, Existing duties of staff	Ongoing/Yearly
6.1, 6.3, 6.4, 6.7	1 and 2	New teacher training will receive instruction on competencies (i.e. email usage, network access, software, etc.) as required by the district.	District/Building PDC	PDC Budget, Title IID, Title VI \$1,000 yearly	Ongoing/Yearly
6.1, 6.3,	1 and 2	Technology courses will be provided for staff	District/Building PDC	PDC Budget \$3,000 yearly	Ongoing/Yearly
Missouri Show Me Standards: 1.2, 1.3, 1.4, 1.5, 1.7, 2.7, 3.6, 4.8					

Administration TFA—Data Analysis, Objectives and Action Plans

Data Analysis:

Compiling Raw Data (pages 5-6) lists a comprehensive inventory of data analyzed. Committee members examined appropriate data pertaining to the Administration TFA to identify strengths and weaknesses of our administrative infrastructure. This provided the direction for developing action plans and steps for the 2006-2009 Technology Plan.

The prior technology plan was reviewed to identify strengths and weaknesses as well as progress in meeting prior objectives.

Again the committee determined that while adequate resources exist, the training and support is not sufficient to use these resources as efficiently as possible. Not all schools use an electronic grade book, and of those schools that do, not all use the same program.

Objectives:

From the above Data Analysis and meetings of the Technology Planning Committee we formulated these objectives for Administration, Data Management and Communications for the 2006-2009 Plan.

- **Objective 1: Standardize data management systems throughout the district.**
- **Objective 2: Provide training to support the system for accessing student information by students, staff, parents and community.**

Action Plans:

Action Plans and Implementation – TFA 3 – Administration/Data Management/Communication					
Goal 3: The Poplar Bluff R-1 School District will use technology to improve administration, data management, and communication throughout the school system as well as to improve communication between the school system and the community.					
Objective 1: standardize data management system throughout the district					
MSIP Standard	CSIP Objective	Action Step/Activity	Person Responsible	Funding Sources/	Timeline/
8.1, 8.6	1 and 2	Analyze and review possible new student data management, inventory, food service, transportation, purchasing, employment, work orders, and accounting systems.	Media Center Staff, District PDC, Building Technology Representatives	No additional cost to District Technology Budget, Existing duties of staff	Ongoing/ Yearly
8.1	1 and 2	Continue and improve staff and community access to email and voice mail capabilities.	Media Center Staff, Building Technology Representatives	PDC Budget \$5,000 yearly	Ongoing/ Yearly
8.1	1 and 2	Continue implementation of electronic grade book	Principals, Media Center Staff	District Budget \$8,000 yearly	Ongoing/ Yearly
8.1	1 and 2	Assess appropriateness of current student data management system.	Media Center Staff	No additional cost to District Technology Budget, Existing duties of staff	Ongoing/ Yearly
8.9	1 and 2	Review, evaluate and revise network infrastructure.	Media Center Staff	District Budget \$20,000 yearly	Ongoing/ Yearly
6.8	1 and 2	Maintain and assess the backup of critical district data.	Media Center Director	District Budget \$4,000 yearly	Ongoing/ Yearly
Missouri Show Me Standards: 1.2, 2.7, 3.6, 3.7, 3.8, 4.4, 4.5					

Action Plans and Implementation – TFA 3 – Administration/Data Management/Communication					
Goal 3: The Poplar Bluff R-1 School District will use technology to improve administration, data management, and communication throughout the school system as well as to improve communication between the school system and the community.					
Objective 2: Provide training to support the system for accessing student information by students, staff, parents, and community.					
MSIP Standard/	CSIP Objective	Action Step/Activity	Person Responsible	Funding Sources/	Timeline/
3.3, 4.1, 6.1, 6.5, 7.5	1 and 2	Provide staff email addresses to the community through print media as well as the district web site.	Principals, Media Center Director	No additional cost to District Technology Budget, Existing duties of staff	Ongoing/Yearly
6.7	1 and 2	Provide the necessary security, professional development, and support to make communication of grades, attendance, schedules, and homework available to parents from home.	Asst. Superintendents, Principals, Media Center Director	District Budget \$5,000 yearly	Ongoing/Yearly
7.5	1 and 2	Seek and support improvement of content on district's cable television channel.	Asst. Superintendents, Media Center Director	No additional cost to District Technology Budget, Existing duties of staff	Ongoing/Yearly
6.4, 7.5	1 and 2	Publish district curriculum on the district web site.	Asst. Superintendents, Media Center Director	District Budget \$2,000 yearly	Ongoing/Yearly
6.4, 7.5	1 and 2	Develop an interactive component to the district web site to provide daily information, exemplary lesson plans and resources for parents, teachers and the community, etc.	Principals, Media Center Director	No additional cost to District Technology Budget, Existing duties of staff	Ongoing/Yearly
Missouri Show Me Standards: 2.7, 3.6, 3.7, 3.8, 4.4, 4.5					

Resource TFA—Data Analysis, Objectives and Action Plans

Data Analysis:

Compiling Raw Data (pages 5-6) lists a comprehensive inventory of data analyzed. Committee members examined appropriate data pertaining to the Resource TFA to identify strengths and weaknesses of our resource management. This provided us direction in developing action plans and steps for the 2006-2009 Technology Plan. The prior technology plan was reviewed to identify strengths and weaknesses as well as progress in meeting prior objectives.

The essential conclusions when dealing with resources were to keep pace as possible with evolving technology. Most notably the need for a standardization on Windows XP or higher as a minimum

operating system and Novell OS for Server for our server structure, and the requisite upgrades in hardware necessary for such a plan. From the above Data Analysis and meetings of the Technology Planning Committee we formulated these objectives for Resource Distribution and Use for the 2006-2009 Plan.

- **Objective 1: Improve the technological learning environment for all students.**
- **Objective 2: Develop a systematic process for upgrading and replacing technology throughout the district.**

Action Plans:

Action Plans and Implementation – TFA 4 – Resource Distribution and Use					
Goal 4: The Poplar Bluff R-1 School District will provide adequate and equitable access to current instructional technology tools and resources for staff and students.					
Objective 1: Improve the technological learning environment for all students.					
MSIP Standard/	CSIP Objective	Action Step/Activity	Person Responsible	Funding Sources	Timeline/
6.4, 7.3	1 and 2	Establish a standard operating system and acquire necessary hardware at the server and station level	Asst. Superintendents	District Budget \$20,000 yearly	Ongoing/Yearly
6.4, 7.3	1 and 2	Provide faculty training to integrate technology into learning.	District/Building PDC	District Budget \$5,000 yearly	Ongoing/Yearly
6.4, 7.3	1 and 2	Integrate technology into the K-12 curriculum with grade level student competencies.	Asst. Superintendents, Curriculum Committee	No additional cost to District Technology Budget, Existing duties of staff	Ongoing/Yearly
6.4, 7.3	1 and 2	Provide teachers access to peripheral digital devices	Asst. Superintendents, Principals, Media Center Director	District Budget \$10,000 yearly	Ongoing/Yearly
6.4, 7.3	11 and 2	Appropriate instructional software will be installed for each curriculum area at each campus	Asst. Superintendents, Curriculum Committee, Media Center Director	District Budget \$25,000 yearly	Ongoing/Yearly
Missouri Show Me Standards: 1.4, 2.7					

Action Plans and Implementation – TFA 4 – Resource Distribution and Use					
Goal 4: The Poplar Bluff R-1 School District will provide adequate and equitable access to current instructional technology tools and resources for staff and students.					
Objective 2: Develop a systematic process for upgrading and replacing technology throughout the district.					
MSIP Standard/	CSIP Objective	Action Step/Activity	Person Responsible	Funding Sources/	Timeline
6.4, 7.3	1 and 2	Establish a short and long term replacement schedule for technology	Asst. Superintendents, Media Center Director	District Budget \$100,000 yearly	Ongoing/Yearly
6.4, 7.3	1 and 2	Establish a consistent budget for technology	Assistant Superintendent for Finance	See page 8 for Technology Budget	Ongoing/Yearly
Missouri Show Me Standards: 1.4, 2.7					

Technical Support TFA—Data Analysis, Objectives and Action Plans

Data Analysis:

Compiling Raw Data (pages 5-6) lists a comprehensive inventory of data analyzed. Committee members examined appropriate data pertaining to the Technical Support TFA to identify strengths and weaknesses of the current Media Center Staff. This provided the direction for developing action plans and steps for the 2006-2009 Technology Plan.

The prior technology plan was reviewed to identify strengths and weaknesses as well as progress in meeting prior objectives.

Survey data was used to gather information from teachers about the comfort level using technology and the extent they have integrated technology into the curriculum. In addition, this identified concerns with technology, resource distribution and level of use.

- **Objective: Continue to offer efficient and productive technological support.**

Action Plans:

Action Plans and Implementation – TFA 5 – Technical Support					
Goal 5: The District will continue to provide timely, quality assistance and support that maintains the student and staff learning work environments.					
Objective 1: Continue to offer efficient and productive technological support.					
MSIP Standard/	CSIP Objective	Action Step/Activity	Person Responsible	Funding Sources/	Timeline/
6.4, 6.8, 7.3	1 and 2	Survey schools to assess current desktop operating systems on all computers	Media Center Staff, Principals/Building Secretary	No additional cost to District Technology Budget, Existing duties of staff	2007
6.4, 6.8, 7.3	1 and 2	Survey schools to assess current version of Library operating system. Update all systems	Media Center Staff, Principals/ Building Secretary	Title IID \$2,000 yearly	2007
6.4, 6.8, 7.3	1 and 24	Survey schools to assess current version of Accelerated Reader. Update all systems.	Media Center Staff, Principals/ Building Secretary	Title IID \$2,000 yearly	2007
6.4, 6.8, 7.3	1 and 2	Survey users requesting technology support.	Media Center Staff	No additional cost to District Technology Budget, Existing duties of staff	2009
6.4, 6.8, 7.3	1 and 2	Additional building staff trained by Media Center Staff to provide support and assistance.	Principals, Media Center Director, Media Center Staff	District Budget \$2,000 yearly	2007
6.4, 6.8, 7.3	1 and 2	Provide Media Center Staff of one technician per 300 computer stations.	School Board, Asst. Superintendent for Personnel	No additional cost to District Technology Budget, Existing duties of staff	2009
6.4, 6.8, 7.3	1 and 2	Review technology goals from each building on an annual basis.	Principals, Building Technology Committee, Media Center Staff	No additional cost to District Technology Budget, Existing duties of staff	Yearly
6.4, 6.8, 7.3	1. 1 and 2	Media Center Staff will prioritize support using current staffing level.	Media Center Director, Media Center Staff	No additional cost to District Technology Budget, Existing duties of staff	Weekly /Daily
6.4, 6.8, 7.3	1 and 2	Examine the replacement cycle for district technology to determine if student and staff needs are being met.	Principals, Building Technology Committee	No additional cost to District Technology Budget, Existing duties of staff	Yearly
6.4, 6.8, 7.3	1 and 2	Continue to examine internet filtering and anti-virus protection.	Media Center Director, Media Center Staff	District Budget \$2,000 yearly	Yearly/ Ongoing

COMMUNICATION / DISSEMINATION, MONITORING, AND EVALUATION:

Communication

The Technology plan will be presented to the following internal groups:

- Poplar Bluff R-1 Board of Education, School Principals, A+ Coordinator,
- District web site
- Annual Progress Report summarized in newsletters

In addition, the technology plan is disseminated to outside parties through the following means:

- District web site
- District parent/community publications

Monitoring

The Technology Committee will meet at least annually to assess and monitor the attainment of goals and objectives. The Technology Department and Curriculum Director will utilize the plan for yearly goals and objective setting. A wide variety of data sources are utilized in the creation of this Technology Plan to evaluate strengths and weaknesses and derive goals and objectives to support or correct them, and this will continue to be the case. This analysis of data will help us make timely corrections to assure that as many components of the Technology Plan as possible are being addressed

Evaluation

The collection and evaluation of these data sources is a continuing project within the district. Additional surveys and follow-up material will be produced by the Technology Department and implemented, as the Technology Committee deems necessary. They will serve as the basis for recommendations and correction strategies as required in the future. The following steps will also be taken.

- An Evaluation Plan has been created to determine the status of attainment of goals of the Technology Plan.
- Technology Committee will meet annually and report progress of any goal that relates to each building. This will include staff needs assessment as it relates to technology and curriculum and resource distribution.
- MAP scores, district assessments, dropout rates and graduation and completion rates will be analyzed.
- The above data will be analyzed and summarized to show progress according to a pre-determined timeline for completion.
- Central Office Administrators will meet and formulate correction strategies to focus on any goals not on scheduled timelines.
- Pre- and post-surveys will be administered yearly and results will be distributed to all shareholders.

The final yearly report will be submitted to the Board of Education for further review and action in May of each year.